



Certificate in **Shipping**

Module 1 – Finance & Accounting

Course purpose & Objectives

This course aims to:

- Enable students to understand the principles and most common techniques that underlie financial and management accounting.
- Develop an in-depth knowledge of managerial uses and limitations of accounting data and techniques of financial analysis.

Learning Outcomes

Upon completion of this course, students will be able to:

- Analyse financial information using published financial statements.
- Use and assess financial information and the systems that produce it, with awareness of the limitations of such information and systems.
- Conduct relevant and theoretically sound analyses of shipping markets and have the ability to provide qualified explanations of the trends and cycles in these markets, together with making predictions of the future development of the markets.

Course Content

Week 1: Introduction to Accounting and Finance

Week 2: Measuring and reporting financial positions

Week 3: Workshop: Measuring and reporting financial performance

Week 4: Accounting for limited companies

Week 5: Measuring and reporting cash flows

Week 6: Analyzing and interpreting financial statements

Week 7: **Case study: Making management decisions**

Week 8: Cost volume profit analysis

Week 9: Costing and performance evaluation

Week 10: Workshop: Budgeting

Week 11: Making capital investment decisions

Week 12: Financing a business & Managing working capital

Week 13: Revision

Week 14: Examinations

Module 2 – Maritime Economics

Course purpose & Objectives

This course aims to:

- A fast-tracking promising young professional into tomorrow's leaders in business and government.
- Provide experts-in-the-making with modern economic and management tools for efficient decision-making.
- Allow them at the same time to gain methods, concepts and theories to enable them to understand and analyse, in a holistic and multidisciplinary way, the complexities of global maritime supply chains.
- To be able to act and make decisions, with managerial style and determination, under complex and uncertain conditions, in a global economic and social environment.

Learning Outcomes

Upon completion of this course, students will be able to:

- Analyse and critically evaluate economic frameworks and their role in the development of business strategies.
- Demonstrate a detailed knowledge of optimal decision-making under different market structures.
- Articulate and effectively communicate information about complex economic and political issues.
- Analyse the role of maritime economics in the economy, trade society and general welfare
- Evaluate and apply the basic variables of supply and demand for ships and Shipping service, as well as the application of these variables in the process of freight rate determination.
- Conduct relevant and theoretically sound analyses of Shipping markets and have the ability to provide qualified explanations of the trends and cycles in these markets, together with marketing predictions of the future development of the markets.

Course Content

Week 1: Induction

Week 2: Basic concepts and the production possibility frontier

Week 3: The economic systems

Week 4: Demand and supply analysis

Week 5: Elasticity

Week 6: Production

Week 7: Theory of costs

Week 8: Market structure: perfect competition

Week 9: Market structure: monopoly

Week 10: Market structure: monopolistic competition, oligopoly

Week 11: National income

Week 12: National income

Week 13: Revision

Week 14: Consumption

Week 15: Origin of the term "maritime economics" and the "westline" theory

Week 16: Demand for sea transport and seaborne trade

Week 17: The supply of sea transport

Week 18: The sea transport system and market segments

Week 19: The Shipping market cycles

Week 20: The four Shipping markets (freight, shipbuilding, sale & purchase and demolition markets)

Week 21: Shipping cost analysis and economies of scales

Week 22: Revenue and cash flow

Week 23: Financing ships and Shipping companies

Week 24: The economics of shipbuilding and scrapping (recycling

Week 25: Ports structure and economics

Week:26: Maritime forecasting and market research

Week 27: Revision

Week 28: Examinations